AMENDMENTS TO THE SPECIFICATION

Please amend the paragraph that appears on page 9 from line 17 to line 29 as follows:

Another embodiment in accordance with the invention shown in FIG. 2d uses another method for two dimensional optical navigation as described in U.S. Patent No. 5,644,139, hereby incorporated by reference. Speckle is used as previously described above in context with FIG. 2b to accomplish navigation in the third direction. Light source 275 is typically an LED but may also be a laser such as a VCSEL that emits a light beam projected by lens 285 onto surface 230 to illuminate region 231. The angle of incidence of the light beam onto surface 230 is typically in the range of between five and twenty degrees. Typically, surface 230 has a micro texture reflected in surface height variations that produce a pattern of highlights and shadows when illuminated from the side. An image of region 231 is projected onto detector 270 using lens 299[[280]]. Detector 270 is typically a square array of photo detectors.

Please amend the paragraph that appears on page 8 from line 13 to line 23 as follows:

FIG. 2c shows an embodiment in accordance with the invention. The embodiment in FIG. 2c has been modified in accordance with the invention to increase sensitivity of detection when motion in the x and y directions is small. Introduction of focusing lens 203 effectively increases the speckle speed across detectors 260 in comparison with using collimating lens 202 as shown in FIG. 2b for x and y motion. Therefore, x or y motion may be small but the corresponding motion across detectors 260 is greatly magnified and easier to detect which leads to greater precision in determining the z position. Hence, the more focused beam 286 becomes, the smaller surface region 232 is and the greater the apparent x and y speckle motion becomes

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across detectors 260. Surface region [[233]] $\underline{232}$ is typically larger than about 200 μm to avoid correlation problems.

Please amend the paragraph that appears on page 2 line 31 to page 3 line2 as follows:

In a variation in accordance with the invention, non-speckle optical navigation methods such as, for example, the approach described in U.S. Patent No. 5,644,19 or the specular reflection approach as described in copending U.S. Patent application Ser. No. [[_____]] 10/630,169 (Attorney Docket No. 10030691) may also be used to provide for two dimensional surface navigation with speckle being used only for navigation in the third dimension.

Please amend the paragraph that appears on page 10 from line 14 to 17 as follows:

Other optical navigation methods for two dimensional optical navigation such as those using, for example, specular reflection and described in copending U.S. Patent application Ser. No.

[[_____]]10/630,169 (Attorney Docket No. 10030691) may be used in accordance with the invention.

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